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Patent & Trademark

Application Number	10/692,747
Confirmation Number	Not Yet Assigned
Filing Date	October 27, 2003
First Named Inventor	Tomoaki TAKAHASHI
Art Unit	3729
Examiner Name	Tai van Nguyen
Attorney Docket Number	Q78043

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11/15/05

Substitute for Form 1449 A & B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

MAY 10 2005

Complete if Known

Application Number	10/692,747
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First Named Inventor	TAKAHASHI, Tomoaki
Art Unit	3729
Examiner Name	Tai van Nguyen
Attorney Docket Number	Q78043

Sheet 1 of 1

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
TN		US 6,193,360	B1	02/27/2001	Nishiwaki et al.
		US			
		US			
		US			
		US			
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		US			
		US			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁴
		Country Code ³	Number ⁴	Kind Code ² (if known)			
TN		JP	8-187868	A	07/23/1996		Yes
		JP	9-314863	A	9/12/1997		
		JP	9-033722	A	07/02/1997		Yes
TN		JP	8-166580	A	06/25/1996		Yes

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁴

Examiner Signature

Tai van Nguyen

Date Considered

11/15/05

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10/27/03

MODIFIED PTO/SB/08 A & B (06-03)

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Sheet	1	of	1		

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		Number	Kind Code ² (if known)		
IN		US 5,008,689		04/16/1991	Pan et al.
		US 4,574,445		03/11/1986	Bentin et al.
		US 4,846,747 A		07/11/1989	Higashinakagawa et al.
		US 5,604,522 A		02/18/1997	Miura et al.
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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
IN		WO	93-25390		12/23/1993	Seiko Epson Corporation	
TN		EP	0 616 890 A1		09/28/1994	Seiko Epson Corporation	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
IN		AN ENCYCLOPEDIA OF METALLURGY AND MATERIALS, C. R. Tottle, page 73 Dictionary of Metallurgy, Colin D. Brown	
IN		Japanes Abstract No. 10193612, dated 07/28/1998	

Examiner Signature	<i>Tai van Nguyen</i>	Date Considered	11/15/05
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